

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/632 1534
Source:	Oipe,
Date Processed by STIC:	8-12-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

And the second sections

- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1803-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/632, 534
attn: new rules cases:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; uso space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCIKDOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220><223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220><223> section to the subsequent amino acid sequence. This applies to the mandatory <220><223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <110> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220> <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s)
12Patentin 2.0 - "bug"	Please do not use "Copy to Disk" function of Patentln version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.
-	AMC/MH - Biotechnology Systems Branch - 08/21/2001



DATE: 08/12/2003

TIME: 07:32:26

OIPE

Input Set : E:\AMBI065US.APP.txt Output Set: N:\CRF4\08122003\J632534.raw 3 <110> APPLICANT: WINKLER, MATTHEW M. BROWN, DAVID 6 <120> TITLE OF INVENTION: COMPETITIVE AMPLIFICATION OF FRACTIONATED TARGETS FROM MULTIPLE NUCLEIC ACID SAMPLES 9 <130> FILE REFERENCE: AMBI:065US C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/632,534 * Only one 140> 41417 12 <141> CURRENT FILING DATE: 2003-07-31 offlication numbers W--> 14/2140> CURRENT APPLICATION NUMBER: PCT/US02/03169-W--> 15 <141> CURRENT FILING DATE: 2003-07-31 W--> 17 <140> CURRENT APPLICATION NUMBER: 60/265,692 41507, 21517 -W--> 18\<141> CURRENT FILING DATE: 2003-07-31 20 <160> NUMBER OF SEQ ID NOS: 24 22 <170> SOFTWARE: PatentIn Ver. 2.1 24 <210> SEQ ID NO: 1 25 <211> LENGTH: 21 26 <212> TYPE: DNA 27 <213> ORGANISM: Artificial Sequence W--> 29 <220> FEATURE: Does item 11 on error W-->(29 <223> OTHER INFORMATION: W--> 29 <400> 1 21 30 ggtgttctcc atgtcctttg t 33 <210> SEQ ID NO: 2 34 <211> LENGTH: 21 35 <212> TYPE: DNA 36 <213> ORGANISM: Artificial Sequence 38 <220> FEATURE: 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 40 Primer 42 <400> SEQUENCE: 2 21 43 ttggggaact gggcagactc a 46 <210> SEQ ID NO: 3 47 <211> LENGTH: 23 48 <212> TYPE: DNA 49 <213> ORGANISM: Artificial Sequence 51 <220> FEATURE: 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 53 Primer 55 <400> SEQUENCE: 3 23 56 caaacctctg gaggaagtgc taa 59 <210> SEQ ID NO: 4 60 <211> LENGTH: 23 61 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/632,534

62 <213> ORGANISM: Artificial Sequence

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Input Set : E:\AMBI065US.APP.txt

Output Set: N:\CRF4\08122003\J632534.raw

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Input Set : E:\AMBI065US.APP.txt

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Input Set : E:\AMBI065US.APP.txt

Output Set: N:\CRF4\08122003\J632534.raw

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    269 <211> LENGTH: 21
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    271 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/632,534

DATE: 08/12/2003
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Input S t : E:\AMBI065US.APP.txt

Output Set: N:\CRF4\08122003\J632534.raw

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22

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/632,534

DATE: 08/12/2003 TIME: 07:32:27

Input Set : E:\AMBI065US.APP.txt

Output S t: N:\CRF4\08122003\J632534.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; N Pos. 61 Seq#:16; N Pos. 61 Error &

explanation

Use of <220> Feature (NEW RULES):

Sequence(s)_are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:1,19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/632,534

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Input Set : E:\AMBI065US.APP.txt

Output Set: N:\CRF4\08122003\J632534.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number L:14 M:280 W: Numeric Identifier already exists, <140> found multiple times L:14 M:281 W: Numeric Fields not Ordered, <140> not ordered!. L:14 M:270 C: Current Application Number differs, Replaced Current Application Number L:15 M:280 W: Numeric Identifier already exists, <141> found multiple times L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:17 M:280 W: Numeric Identifier already exists, <140> found multiple times L:17 M:281 W: Numeric Fields not Ordered, <140> not ordered!. L:17 M:270 C: Current Application Number differs, Replaced Current Application Number L:18 M:280 W: Numeric Identifier already exists, <141> found multiple times L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:29 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213> ORGANISM: Artificial Sequence L:29 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213> ORGANISM: Artificial Sequence L:29 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:29 L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60 L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60 L:273 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213> ORGANISM: Artificial Sequence L:273 M:258 W: Mandatory Feature missing, <223> Tag not found for SEO#:19, <213> ORGANISM: Artificial Sequence L:273 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:273